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			Code ² known)					
74.U		4,663,308		Saffran, et al.		05-05-1987		
FNA.		4,871,549		Ueda, et al.		10-03-1989		
JY 1.47.		4,945,080		Lindstrom, et al.		07-31-1990		
PRY		4,963,573		Freyne, et al.		10-16-1990		
PNI		5,310,558		Pozzi, et al.		05-10-1994		
11/21		5,514,663		Mandel		05-07-1996		
112		5,631,022		Mandel, et al.		05-20-1997		
11/2/		5,651,983		Kelm, et al.		07-29-1997		
PIKK		5,656,290		Kelm, et al.		09-12-1997		
FIX.		5,686,106		Kelm, et al.		11-11-1997		

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Onla	7	DE	42-36-025	A1	Merck Paten		04-28-1-994		=
	,	GB	2 166 051	A	Alza Corp.		04-30-1986	<u> </u>	┿
1///		GB	2 174 599	A	Norwich Eate Pharmaceutie		11-12-1986	·	
	,	GB .	2 238 243	A	National Res Development		05-29-1991		
11.71		EP	0 221 601	A1	Janssen Pha	rmaceutica N.V.	05-13-1987		
4.7		EP	0-338-383	A2	Schwarz-Pha	rma-AG	10-25-1989		+
122		EP	0 365 947	A1	Pharmacia A	В	05-02-1990		1
PVII.		EP	0 513 035	B1	Danbiosyst L	JK Ltd.	10-20-1993		\top
		EP	0.519.870	A1	Spirig-AG-Ph Präparate	armazeutische	12-23-1992		\mp
クレイス		EP	0 572 942	A2		Chimica S.p.A.	12-08-1993		\top
0011		EP	0 621 032	A1	Ciba-Geigy A		10-26-1994		
11/11		EP	0 640 337	A2		eutical Co. Ltd.	03-01-1995		+
1/2/		EP	0 673 645	A2	F. Hoffmann	-La Roche AG	09-27-1995	· · · · · · · · · · · · · · · · · · ·	+
MA	,	wo	89/11269	A1	Agricultural a Research Co	and Food uncil	11-30-1989		
		wo-	90/13286	A1	Chugai-Seiya Kaisha	ku-Kabushiki	11-15-1000		\dagger
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1491		ASHFORD, et a 1049 (1992).	II., "In Vivo Assessment o	f Colonic Drug Delivery Systems,"	Br. Pharm. Conference Abstract 13, p.
MM			"An in vitro assessment o " Int. J. Pharm. 134:223-	of liquid-filled Capill [®] potato starch 30 (1996).	capsules with biphasic release
M. N.			ric Coatings and Delayed Chichester, 1989.	Release" in <u>Drug Delivery to the Ga</u>	strointestinal Tract (Hardy, et al., eds.)
NV.Z		KENYON, et al. 112:207-13 (1	, "The effect of food on t 994).	he in vivo behaviour of enteric coat	ed starch capsules," Int. J. Pharm.
P1.7/		KOPE EK, et al.	, "Polymers for colon-spe	cific drug delivery," J. Control. Rel.	19:121-30 (1992).
PM.				evaluation of amylose coated pellets	s for colon specific drug delivery,"
PH!				and swelling-dependent enzymatic arma Sciences 5:41-46 (1995).	degradation of borax-modified guar gum
M			t al., "Colonic Drug Delive ntent," <i>Pharm. Res.</i> 9(2):	•	cin from Cross-Linked Chondroitin Matrix
MU!			t al., <i>"In Vitro</i> Evaluation (2):258-63 (1993).	of Calcium Pectinate: A Potential Co	olon-Specific Drug Delivery Carrier,"
MAL		SIEFKE, et al., '	"Colon Targeting with β-C	D Matrix Films," Eur. J. Pharm. Bio	pharm. 40 (suppl.):33S (1994).
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Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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MA	1	THE UNITED S	TATES PHARMACOPOEIA	, USP23, pp. 1791-93 (1994).		
PHI.		VAN DEN MO	OTER, "Azo polymers for o	olon-specific drug delivery," Int. J.	Pharm. 87:37-46 (1992).	
M/1.			I., "Gastrointestinal Transi (5):654-57 (1992).	t and Systemic Absorption of Capto	opril from a Pulsed-Release Formulation),"
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Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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